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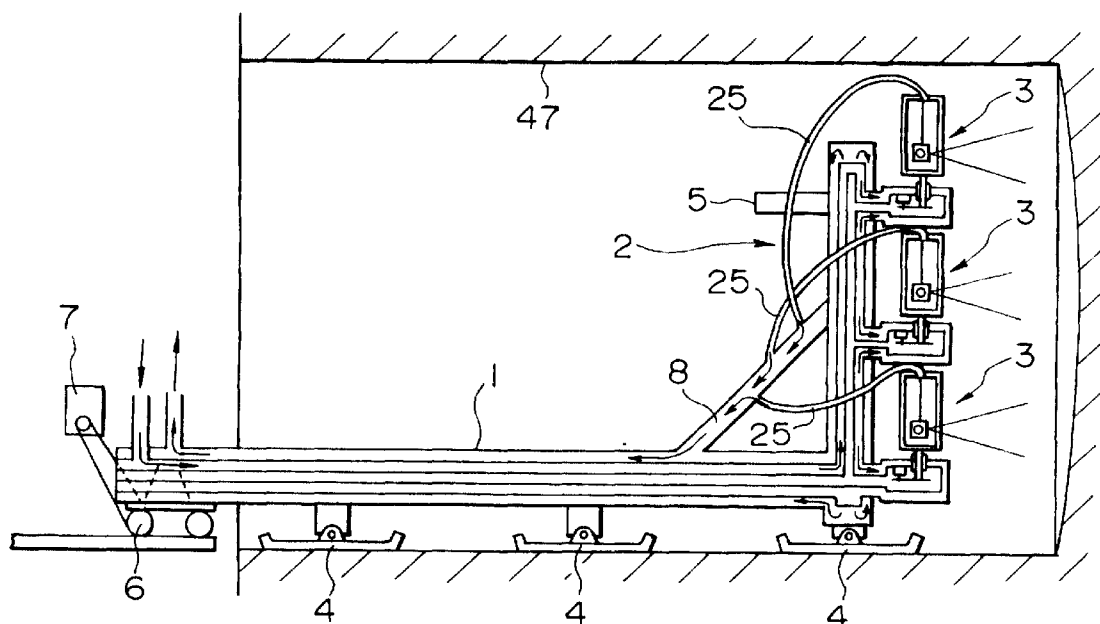
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(54) **Method and apparatus for diagnosing wall of coking chamber of coke battery**

(57) A method and apparatus for accurately diagnosing a state of damage on a wall (47) of a coking chamber of a coke battery employ a combination of three detection means. The three detection means include means for photographing (32) the wall (47) of the coking chamber of the coke battery, means for detecting the chamber width between chamber walls by laser

range finders (41), and means for detecting the chamber temperature by radiation thermometers (42). The joints i.e. the pointing and the brick surfaces of the coke battery are photographed by a CCD camera (32). The image of the chamber wall is separated into images of the joints and the brick surfaces. The states of the joints and the brick surfaces are separately analyzed to detect damage to the joints and the brick surfaces.

**FIG. 1**

EP 0 727 658 A3



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# EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search <b>BERLIN</b>		Date of completion of the search <b>9 October 1997</b>	Examiner <b>Johnson, K</b>
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons  & : member of the same patent family, corresponding document	

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# EUROPEAN SEARCH REPORT

Application Number  
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